



PTO/SB/08a/b (07-08)

Approved for use through 09/30/2008. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/521,971-Conf. #1957
				Filing Date	September 26, 2005
				First Named Inventor	David T. Scadden
				Art Unit	Unknown
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	61925(51588)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
MS	AA	US-6,956,022	10/18/2005	Tamura et al.	
	AB	US-2005/0197296	09/08/2005	Tamura et al.	
MS	AC	US-6,342,477	01/29/2002	Tamura et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	10/3/07
-----------------------	---	--------------------	---------

215841



PTO/SB/08a/b (07-08)

Approved for use through 09/30/2008. OMB 0551-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/521,971-Conf. #1957		
		Filing Date	January 21, 2005		
		First Named Inventor	David T. Scadden		
		Art Unit	Unknown		
		Examiner Name	Not Yet Assigned		
Sheet	1	of	1	Attorney Docket Number	61925(51588)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
MB	BA	WO 00/70022	11/23/2000	City of Hope		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
MB	CA	ADAMS et al. "Interaction of Bone and Bone Marrow: Expansion of Hematopoietic Stem Cells In Vivo and In Vitro through Activation of the PTH/PTHrP Receptor in Bone Marrow Stromal Cells" Blood 100(11) 501 (2002) ABSTRACT only		
	CB	SHEVDE et al. "Stromal Cell-Mediated Stimulation of Osteoclastogenesis" Proceedings of the Society for Experimental Biology and Medicine, Academic Press Inc. 205(4) 306-315 (1994)		
	CC	LIANG et al. "Immunohistochemical Localization of Selected Early Response Genes Expressed in Trabecular Bone of Young Rats Given hPTH 1-34" Calcif Tissue Int. 65: 369-373 (1999)		
	CD	RIXON et al. "Increased Survival of Rats irradiated with X-Rays and treated with Parathyroid Extract" Nature 182(4646): 1374 (1958)		
	CE	GALLIEN-LARTIGUE et al. "In Vitro induction of the S phase in multipotent stem cells of bone marrow by parathyroid hormone" C. R. Acad. Sci. 278(13): 1765-1768 (1974)		
	CF	ANKLESARIA et al. "Engraftment of a clonal bone marrow stromal cell line in vivo stimulates hematopoietic recovery from total body irradiation" Proc. Natl. Acad. Sci USA 84: 7681-7685 (1987)		
	CG	COLLINS et al. "A Stromal Cell Line from Myeloid Long-Term Bone Marrow Cultures can Support Myelopoiesis and B Lymphopoiesis" J. of Immunol. 138: 1082-1087 (1987)		
	CH	LUCK et al. "The (1-14) Fragment of Parathyroid Hormone (PTH) Activates Intact and Amino-Terminally Truncated PTH-1 Receptors" Molecular Endocrinology 13(5): 670-680 (1999)		
MB	CI	CALVI et al. "Osteoblastic cells regulate the haematopoietic stem cell niche" Nature (London) 425(6960): 841-846 (2003)		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	10/3/07
-----------------------	--	--------------------	---------

214908

21 JAN 2005

PTO/SB/08a/b (08-03)  
Approved for use through 07/31/2008, OMB 0651-0031  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	Not Yet Assigned <b>10/521 971</b>
				Filing Date	Concurrently Herewith
				First Named Inventor	David T. Scadden
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	61925(51588)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

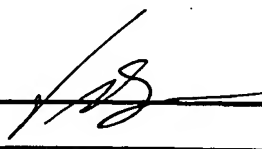
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>4</sup> -Number <sup>5</sup> -Kind Code <sup>6</sup> (if known)				
<b>MS</b>		WO 01/12785 A1	02-22-2001	University of Rochester		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>3</sup>
<b>MS</b>		CALVI et al. "Osteoblastic cells regulate the haematopoietic stem cell niche", Nature, 23 October 2003, Volume 25, Nature Publishing Group, pages 841-846			
		FULLER et al. "Induction of osteoclast formation by parathyroid hormone depends on an action on stromal cells", Journal of Endocrinology (1998) 158, 341-350			
		LIU et al. "Conditionally Immortalized Murine Bone Marrow Stromal Cells Mediate Parathyroid Hormone-Dependent Osteoclastogenesis in Vitro", Endocrinology (1998) 139, No. 4, pages 1952-1964			
		TAICHMAN et al. "Hepatocyte growth factor is secreted by osteoblasts and cooperatively permits the survival of haematopoietic progenitors", British Journal of Haematology, (2001), 112, 438-448			
		CALVI et al. "Activated parathyroid hormone/parathyroid hormone-related protein receptor in osteoblastic cells differentially affects cortical and trabecular bone" The Journal of Clinical Investigation (2001) 107, No. 3, 277-286			
		TAICHMAN et al. "Human Osteoblasts Support Human Hematopoietic Progenitor Cells in In Vitro Bone Marrow Cultures" Blood (1996) 87, No. 2, 518-524			
<b>MS</b>		Forteo Definition and Product Information from Physicians' Desk Reference (2004) 58 Edition pages 1808-1812			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>3</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	<b>10/03/07</b>
-----------------------	---	--------------------	-----------------

186983